

AMENDMENTS

In The Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1-10. (Canceled)

11. (Currently Amended) A dyeing device for dyeing a plastic lenses lens, comprising:
a heating furnace comprising a frame section forming a space within the heating furnace;
a heating section provided within the frame section;
an openable insertion port for allowing insertion of the lens provided on or near a bottom surface of the frame section;
a lens-holding mechanism for holding ~~a dye coating formed~~ the lens; and
a lens-moving mechanism for moving the lens-holding mechanism to insert all or a part of the lens from the insertion port into an interior portion of the heating furnace.

12. (Currently Amended) The dyeing device for dyeing a plastic lenses lens of claim 11, wherein the heating furnace further comprises a cooling mechanism in a position corresponding to a portion of the lens within the frame section not requiring coloration.

13. (Currently Amended) The dyeing device for dyeing a plastic lenses lens of claim 11 or 12, wherein the lens-moving mechanism further comprises a device for controlling the insertion position of the lens into the interior portion of the furnace.

14. (Currently Amended) The dyeing device for dyeing a plastic lenses lens of claim 11 or 12, further comprising a device for controlling a temperature distribution within the heating section so as to produce a half-dyed lens.

15. (New) The dyeing device for dyeing a plastic lens of claim 11 or 12, further comprising a device for controlling the heating of the lens so as to produce a variation in coloration in the lens.

16. (New) The dyeing device for dyeing a plastic lens of claim 11 or 12, wherein the lens-moving mechanism is configured to move the lens in a vertical direction while the lens is in the heating section.

17. (New) The dyeing device for dyeing a plastic lens of claim 11 or 12, further comprising a device for setting a temperature distribution state within the heating furnace such that the temperature increases from the vicinity of the insertion port toward the inside of the frame section.